Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A two part dialysis solution comprising:

a first component comprising a bicarbonate concentrate;

a second component comprising an electrolyte concentrate; and

each of the first component and the second component including a physiological acceptable amount of sodium.

Claim 2 (original): The two part dialysis solution of claim 1 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 3 (original): The two part dialysis solution of claim 1 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium ranging from about 100 mmol/L to about 160 mmol/L.

Claim 4 (original): The two part dialysis solution of claim 1 wherein each of the bicarbonate concentrate and the electrolyte concentrate contain a physiological acceptable amount of potassium ranging from about 0.1 mmol/L to about 5 mmol/L.

Claim 5 (original): The two part dialysis solution of claim 1 wherein the first component does not include potassium and the second component includes potassium.

Claim 6 (original): The two part dialysis solution of claim 1 wherein a mixed solution of the first component and the second component comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about

20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 7 (original): The two part dialysis solution of claim 1 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 8 (original): The two part dialysis solution of claim 1 wherein the first component has a pH ranging from about 7.4 to about 7.6 and the second component has a pH ranging from about 4.3 to about 4.5.

Claim 9 (original): The two part dialysis solution of claim 1 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 10 (original): The two part dialysis solution of claim 1 wherein the first component has a pH ranging from about 8.9 to about 9.0 and the second component has a pH of about 1.9.

Claim 11 (original): The two part dialysis solution of claim 1 wherein the first component and the second component are separately stored from each other until mixed together to form a mixed solution.

Claim 12 (original): The two part dialysis solution of claim 11 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 13 (original): The two part dialysis solution of claim 12 wherein the first chamber and the second chamber are adaptedly coupled such that the first component and the second component are capable of mixing to form the mixed solution.

Claim 14 (original): The two part dialysis solution 12 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with a patient prior to mixing and wherein the second component is not in direct fluid communication with the exit port prior to mixing.

Claim 15 (original): The two part dialysis solution of claim 11 wherein the mixed solution comprises a dialysate capable of being used as part of a hemofiltration process.

Claim 16 (original): The two part dialysis solution of claim 11 wherein the mixed solution comprises an infusion solution capable of being administered to a patient during continuous renal replacement treatment.

Claim 17 (original): A two part dialysis solution that is designed to be infused into a patient comprising:

a first component comprising a bicarbonate concentrate that does not include potassium;

a second component comprising an electrolyte concentrate that includes potassium; and

the first component and second component being so constructed and arranged that the second component physically cannot be infused into the patient without mixing with the first component.

Claim 18 (original): The two part dialysis solution of claim 17 wherein a mixed solution of the first component and the second component comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0.1 mmol/L to about 5 mmol/L of potassium, about

20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 19 (original): The two part dialysis solution of claim 17 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 20 (original): The two part dialysis solution of claim 17 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 21 (original): The two part dialysis solution of claim 17 wherein the first component has a pH ranging from about 7.4 to about 7.6 and the second component has a pH ranging from about 4.3 to about 4.5.

Claim 22 (original): The two part dialysis solution of claim 17 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 23 (original): The two part dialysis solution of claim 17 wherein the first component has a pH ranging from about 8.9 to about 9.0 and the second component has a pH of about 1.9.

Claim 24 (original): The two part dialysis solution of claim 17 wherein the first component and the second component are separately stored from each other until mixed together to form a mixed solution.

Claim 25 (original): The two part dialysis solution of claim 24 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 26 (original): The two part dialysis solution of claim 25 wherein the first chamber and the second chamber are adaptedly coupled such that the first component and the second component are capable of mixing to form the mixed solution.

Claim 27 (original): The two part dialysis solution of claim 25 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with the patient prior to mixing.

Claim 28 (original): The two part dialysis solution of claim 24 wherein the mixed solution comprises a dialysate that can be used as a part of a hemofiltration process.

Claim 29 (original): The two part dialysis solution of claim 24 wherein the mixed solution comprises an infusion solution capable of being administered to the patient during continuous renal replacement treatment.

Claim 30 (original): A two part dialysis solution comprising:

a first component comprising a bicarbonate concentrate;

a second component comprising an electrolyte concentrate; and

each of the first component and the second component including a physiological acceptable amount of potassium.

Claim 31 (original): The two part dialysis solution of claim 30 wherein the physiological accepatable amount of potassium ranges from about 0.1 mmol/L to about 5 mmol/L.

Claim 32 (original): The two part dialysis solution of claim 30 wherein a mixed solution of the first component and the second component comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0.1 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 33 (original): The two part dialysis solution of claim 30 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 34 (original): The two part dialysis solution of claim 30 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 35 (original): The two part dialysis solution of claim 30 wherein the first component has a pH ranging from about 7.4 to about 7.6 and the second component has a pH ranging from about 4.3 to about 4.5.

Claim 36 (original): The two part dialysis solution of claim 30 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 37 (original): The two part dialysis solution of claim 30 wherein the first component has a pH ranging from about 8.9 to about 9.0 and the second component has a pH of about 1.9.

Claim 38 (original): The two part dialysis solution of claim 30 wherein the first component and the second component are separately stored from each other until mixed together to form a mixed solution.

Claim 39 (original): The two part dialysis solution of claim 38 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 40 (original): The two part dialysis solution of claim 39 wherein the first chamber and the second chamber are adaptedly coupled such that the first component and the second component are capable of mixing to form the mixed solution.

Claim 41 (original): The two part dialysis solution of claim 39 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with a patient prior to mixing and wherein the second component is not in direct fluid communication with the exit port prior to mixing.

Claim 42 (original): The two part dialysis solution of claim 38 wherein the mixed solution comprises a dialysate that can be used as part of a hemofiltration process.

Claim 43 (original): The two part dialysis solution of claim 38 wherein the mixed solution comprises an infusion solution capable of being administered to a patient during continuous renal replacement treatment.

Claim 44 (original): A method of providing hemofiltration to a patient comprising the steps of:

providing a first component comprising a bicarbonate concentrate and a second component comprising an electrolyte concentrate wherein each of the first component and the second component include a physiological acceptable amount of sodium;

mixing the first component and the second component to form a mixed solution; and

using the mixed solution during hemofiltration.

Claim 45 (original): The method of claim 44 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 46 (original): The method of claim 44 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium ranging from about 100 mmol/L to about 160 mmol/L.

Claim 47 (original): The method of claim 44 wherein the mixed solution about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 48 (original): The method of claim 44 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 49 (original): The method of claim 44 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 50 (original): The method two part dialysis solution of claim 44 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 51 (original): The method of claim 50 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with the patient prior to mixing and wherein the second component is not in direct fluid communication with the exit port prior to mixing.

Claim 52 (original): The method of claim 44 wherein the mixed solution is used as a dialysate.

Claim 53 (original): The method of claim 44 wherein the hemofiltration method is continuous renal replacement therapy.

Claim 54 (original): The method of claim 53 wherein the mixed solution is infused into the patient as an infusion solution.

Claim 55 (original): A method of providing hemofiltration to a patient comprising the steps of:

providing a first component comprising a bicarbonate concentrate that does not include potassium and a second component comprising an electrolyte concentrate that includes potassium;

orienting the first component and the second component so that the second component physically cannot be infused into the patient without mixing with the first component;

mixing the first component and the second component to form a mixed solution; and

infusing the mixed solution into the patient.

Claim 56 (original): The method of claim 55 wherein the mixed solution comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0.1 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to

about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 57 (original): The method of claim 55 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 58 (original): The method of claim 55 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 59 (original): The method of claim 55 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 60 (original): The method of claim 55 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 61 (original): The method of claim 60 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with the patient prior to mixing.

Claim 62 (original): The method claim 55 wherein the hemofiltration method is continuous renal replacement therapy.

Claim 63 (original): The method of claim 62 wherein the mixed solution is infused into the patient as an infusion solution.

Claim 64 (original): A method of providing hemofiltration to a patient comprising the steps of:

providing a first component comprising a bicarbonate concentrate and a second component comprising an electrolyte concentrate wherein each of the first component and the second component include a physiological acceptable amount of potassium;

mixing the first component and the second component to form a mixed solution; and

using the mixed solution during hemofiltration.

Claim 65 (previously presented): The method of claim 64 wherein the mixed solution comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0.1 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 66 (previously presented): The method of claim 64 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 67 (previously presented): The method of claim 64 wherein the first component has a pH ranging from about 7.2 to about 7.9 and the second component has a pH ranging from about 3.0 to about 5.0.

Claim 68 (previously presented): The method of claim 64 wherein the first component has a pH ranging from about 8.6 to about 9.5 and the second component has a pH ranging from about 1.7 to about 2.2.

Claim 69 (previously presented): The method of claim 64 wherein the first component is stored in a first chamber of a multi-chamber container and the second component is stored in a second chamber of the multi-chamber container.

Claim 70 (previously presented): The method of claim 64 wherein the first chamber includes an exit port through which the first component is capable of being in direct fluid communication with the patient prior to mixing.

Claim 71 (previously presented): The method of claim 64 wherein the hemofiltration method is continuous renal replacement therapy.

Claim 72 (previously presented): The method of claim 64 wherein the mixed solution is infused into the patient as an infusion solution.

Claim 73 (new): A two part dialysis solution comprising:

a bicarbonate concentrate; and

an electrolyte concentrate, wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less.

Claim 74 (new): The two part dialysis solution of claim 73 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium ranging from about 100 mmol/L to about 160 mmol/L.

Claim 75 (new): The two part dialysis solution of claim 73 wherein a mixed solution of the first component and the second component comprises about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 76 (new): The two part dialysis solution of claim 73 wherein the bicarbonate concentrate is stored in a first chamber of a multi-chamber container and the electrolyte concentrate is stored in a second chamber of the multi-chamber container.

Claim 77 (new): A method of providing hemofiltration to a patient comprising the steps of:

providing a two part dialysis solution comprising a bicarbonate concentrate and an electrolyte concentrate wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium of about 160 mmol/L or less;

mixing the bicarbonate concentrate and the electrolyte concentrate to form a mixed solution; and

using the mixed solution during hemofiltration.

Claim 78 (new): The method of claim 77 wherein the bicarbonate concentrate and the electrolyte concentrate include an equimolar amount of sodium ranging from about 100 mmol/L to about 160 mmol/L.

Claim 79 (new): The method of claim 77 wherein the mixed solution includes about 100 mmol/L to about 160 mmol/L of sodium, about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, about 0 mmol/L to about 45 mmol/L of acetate and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 80 (new): The method of claim 77 wherein the mixed solution is used as a dialysate.

Claim 81 (new): The method of claim 77 wherein the hemofiltration method is continuous renal replacement therapy.

Claim 82 (new): The method of claim 77 wherein the mixed solution is infused into the patient as an infusion solution.